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Search Results -

Terms	Documents
(((348/14.02)!.CCLS.))	45

Database: US Patents Full-Text Database; US Pre-Grant Publication Full-Text Database; JPO Abstracts Database; EPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

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Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L81	(((348/14.02)!.CCLS.))	45	L81
L80	(((709/319)!.CCLS.))	30	L80
L79	(((709/318)!.CCLS.))	119	L79
L78	(((370/371)!.CCLS.))	71	L78
L77	(((370/300)!.CCLS.))	59	L77
L76	(((370/299)!.CCLS.))	76	L76
L75	(((370/282)!.CCLS.))	263	L75
L74	(((370/277)!.CCLS.))	122	L74
L73	((370/230)!.CCLS.)	364	L73
L72	(((370/110)!.CCLS.))	0	L72

L71	(((370/216)!.CCLS.))	327	L71
L70	(((370/215)!.CCLS.))	111	L70
L69	(((370/213)!.CCLS.))	134	L69
L68	(((370/113)!.CCLS.))	0	L68
L67	(((370/207)!.CCLS.))	63	L67
L66	(((370/201)!.CCLS.))	297	L66
L65	(((370/111)!.CCLS.))	0	L65
L64	(((370/15)!.CCLS.))	0	L64
L63	(((370/13)!.CCLS.))	0	L63
L62	(((370/10)!.CCLS.))	0	L62
L61	(((370/$)!.CCLS.))	50863	L61
L60	(((709/217)!.CCLS.))	1076	L60
L59	(((709/300)!.CCLS.))	0	L59
L58	(((709/314)!.CCLS.))	62	L58
L57	(((709/101)!.CCLS.))	166	L57
L56	(((709/$)!.CCLS.))	14445	L56
L55	(((358/442)!.CCLS.))	527	L55
L54	(((358/441)!.CCLS.))	56	L54
L53	(((358/400)!.CCLS.))	665	L53
L52	(((358/525)!.CCLS.))	119	L52
L51	(((358/$)!.CCLS.))	33990	L51
L50	(((340/$)!.CCLS.))	95394	L50
L49	(((340/522)!.CCLS.))	436	L49
L48	(((713/200)!.CCLS.))	1018	L48
L47	(((713/$)!.CCLS.))	9914	L47
L46	(((382/$)!.CCLS.))	29400	L46
L45	(((382/209)!.CCLS.))	645	L45
L44	(((375/347)!.CCLS.))	620	L44
L43	(((375/$)!.CCLS.))	39241	L43
L42	(((348/12)!.CCLS.))	0	L42
L41	(((348/$)!.CCLS.))	41566	L41
L40	(((707/$)!.CCLS.))	13019	L40
L39	(((707/206)!.CCLS.))	251	L39
L38	(((707/200)!.CCLS.))	789	L38
L37	(((707/104)!.CCLS.))	0	L37
L36	(((707/100)!.CCLS.))	942	L36
L35	(((707/10)!.CCLS.))	1820	L35

L34	((707/1)!.CCLS.)	1301	L34
L33	L32 and (information same modifi$5)	3	L33
L32	L30 and (predetermined process)	4	L32
L31	L30 and trigger	1	L31
L30	L29 and network$3	4	L30
L29	l25 or l26	4	L29
L28	L26 and (data same transmi$5)	4	L28
L27	L26 and (information same transmi$5)	4	L27
L26	L25 and (event same detect$3)	4	L26
L25	L24 and event and storage and transmission	4	L25
L24	L23 and (event near detect$3)	4	L24
L23	L22 and (transmission media)	6	L23
L22	L21 and (event same detect$3)	6	L22
L21	l17 and ("transmission media" or "transmission means")	43	L21
L20	L19 and event same detect$3	6	L20
L19	L18 and event and storage	11	L19
L18	L17 and "transmission media"	43	L18
L17	"information processing device"	4500	L17
L16	L15 and (transmission media)	3	L16
L15	l13 and (information processing device)	3	L15
L14	5446759.uref.	17	L14
L13	5446759.pn.	3	L13
L12	L11 and (event same detect$3)	1	L12
L11	L10 and (transmission media)	2	L11
L10	l8 and (information processing device)	3	L10
L9	5745532.uref.	7	L9
L8	5745532.pn.	3	L8
L7	L6 and (detect$3 same event)	1	L7
L6	L5 and event	1	L6
L5	L4 and identif$4	1	L5
L4	l3 and (transmission media)	1	L4
L3	l1 and (information processing device)	2	L3
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L1	6014557.pn.	2	L1

END OF SEARCH HISTORY

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L57	(((709/101)!.CCLS.))	166	L57
L56	(((709/$)!.CCLS.))	14445	L56
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L54	(((358/441)!.CCLS.))	56	L54
L53	(((358/400)!.CCLS.))	665	L53
L52	(((358/525)!.CCLS.))	119	L52
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L36	(((707/100)!.CCLS.))	942	L36
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L28	L26 and (data same transmi$5)	4	L28
L27	L26 and (information same transmi$5)	4	L27
L26	L25 and (event same detect$3)	4	L26

L25	L24 and event and storage and transmission	4	L25
L24	L23 and (event near detect$3)	4	L24
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L14	5446759.uref.	17	L14
L13	5446759.pn.	3	L13
L12	L11 and (event same detect$3)	1	L12
L11	L10 and (transmission media)	2	L11
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L9	5745532.uref.	7	L9
L8	5745532.pn.	3	L8
L7	L6 and (detect$3 same event)	1	L7
L6	L5 and event	1	L6
L5	L4 and identif$4	1	L5
L4	l3 and (transmission media)	1	L4
L3	l1 and (information processing device)	2	L3
L2	6014557.uref.	0	L2
L1	6014557.pn.	2	L1

END OF SEARCH HISTORY

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Terms	Documents
(((370/110)!.CCLS.))	0

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L69	(((370/213)!.CCLS.))	134	L69
L68	(((370/113)!.CCLS.))	0	L68
L67	(((370/207)!.CCLS.))	63	L67
L66	(((370/201)!.CCLS.))	297	L66
L65	(((370/111)!.CCLS.))	0	L65
L64	(((370/15)!.CCLS.))	0	L64
L63	(((370/13)!.CCLS.))	0	L63

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L14: Entry 13 of 17 File: USPT Apr 28, 1998

US-PAT-NO: 5745532
DOCUMENT-IDENTIFIER: US 5745532 A

TITLE: System for wireless transmission and receiving of information and method of operation thereof

DATE-ISSUED: April 28, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Campana, Jr.; Thomas J.	Chicago	IL		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
NTP Incorporated	Annandale	VA			02

APPL-NO: 8/ 458651 [PALM]
DATE FILED: June 2, 1995

PARENT-CASE:
CROSS-REFERENCE TO RELATED APPLICATIONS This application is a Continuation-In-Part of U.S. patent application Ser. No. 08/391,555, filed Feb. 21, 1995, entitled "System for Wireless Transmission and Receiving of Information and Method of Operation Thereof"; U.S. patent application Ser. No. 08/386,060, filed Feb. 7, 1995, entitled "System for Wireless Serial Transmission of Encoded Information"; U.S. patent application Ser. No. 08/385,312, filed Feb. 7, 1995, entitled "Receiving Circuitry for Receiving Serially Transmitted Encoded Information"; and U.S. patent application Ser. No. 08/385,143, filed Feb. 7, 1995, entitled "Transmitting Circuitry for Serial Transmission of Encoded Information" which applications are Continuations-in-Part of U.S. application Ser. No. 08/112,256, now U.S. Pat. No. 5,446,759, filed Aug. 26, 1993, entitled "Information Transmission System and Method of Operation"; which is a Continuation-In-Part of U.S. application Ser. No. 07/850,275, filed Mar. 12, 1992, entitled "Low Power Information Transmission System Having High Information Transmission and Low Error Rates and Method of Operation" (now abandoned); Ser. No. 07/850,276, filed Mar. 12, 1992, entitled "High Speed, Low Power and Low Error Information Receiver and Method of Operation" (now abandoned); and Ser. No. 07/850,487, filed Mar. 12, 1992, entitled "Low Power Information Transmission and Receiving System Having High Information and Low Error Rates and Method of Operation" (now abandoned), which applications are incorporated herein by reference in their entirety. Reference is also made to U.S. patent application Ser. No. 08/460,778, filed on even date herewith, entitled "System for Wireless Transmission and Receiving of Information and Method of Operation Thereof" which application is incorporated herein by reference in its entirety.

INT-CL: [6] H04 B 7/10, H04 L 1/02

US-CL-ISSUED: 375/347; 455/52.1
US-CL-CURRENT: 375/347; 455/504

FIELD-OF-SEARCH: 375/347, 455/52.1, 455/52.2, 455/52.3, 455/65, 455/101, 455/278.1, 455/296, 455/132, 455/272, 455/273

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected | Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	3195048	July 1965	Adams et al.	455/101
☐	3526837	September 1970	Zegers et al.	325/41
☐	3761891	September 1973	Markwitz	340/146.1
☐	3786415	January 1974	Phillips et al.	340/146.1
☐	3842352	October 1974	Cote	455/52.1
☐	3860907	January 1975	Marshall	340/146.1
☐	3873920	March 1975	Apple, Jr. et al.	325/41
☐	4271525	June 1981	Watanabe	375/14
☐	4272434	June 1981	Le Polozec et al.	375/100
☐	4286334	August 1981	Gammel et al.	375/40
☐	4298984	November 1981	Baker	375/40
☐	4485357	November 1984	Voorman	332/17
☐	4517562	May 1985	Martinez	370/11
☐	4641318	February 1987	Addeo	375/18
☐	4680766	July 1987	Wilkinson	371/47
☐	4686690	August 1987	Sato	375/114
☐	4694473	September 1987	Etoh	375/116
☐	4715048	December 1987	Masamura	375/100
☐	4849990	July 1989	Ikegami et al.	375/40
☐	4858235	August 1989	Matsuda	371/38
☐	4885749	December 1989	Golden	371/32
☐	4967413	October 1990	Otani	371/37.7
☐	5031193	July 1991	Atkinson et al.	375/100
☐	5159331	October 1992	Park et al.	340/825.4
☐	5228026	July 1993	Albrow et al.	370/29
☐	5446759	August 1995	Campana, Jr.	375/267

OTHER PUBLICATIONS

Western Electric Technical Digest No. 8 of Oct. 1967 entitled "Time Diversity Transmission System" W.R.G. Duane.
Spragins et al, "Telecommunications Protocols and Design", Feb. 1991, pp. 263-279.
Modern Dictionary of Electronics, Sixth Edition 1984, p. 281.
Western Electric Technical Digest No. 8, of Oct. 1967 entitled "Time Diversity Transmission System" by W.R.G. Duane.

ART-UNIT: 264
PRIMARY-EXAMINER: Chin; Stephen
ASSISTANT-EXAMINER: Ghayour; Mohammad

ATTY-AGENT-FIRM: Antonelli, Terry, Stout, & Kraus, LLP

ABSTRACT:

A system and method is disclosed for wireless transmission of information which is subject to fading by using a RF carrier modulated with a subcarrier modulated with the information. The system has a bus interface which communicates with a digital signal processor which controls the transmitting and receiving circuitry functions. The bus interface is for connection to a computer bus which is connected to a computer which originates information to be transmitted by transmitting circuitry and which receives information from receiving circuitry. The digital signal processor provides first and second encoded information streams each comprising the information to be transmitted with the second stream being delayed by a time delay interval with respect to the first stream which is equal to or greater than the fading interval. The first and second encoded information streams modulate cycles of the subcarrier to produce first and second parallel information streams which are time offset by the time delay interval. The receiving circuitry has a detector for detecting transmitted first and second parallel information streams with the second parallel information stream being delayed from the first parallel information stream by the time delay interval. The digital signal processor determines if faded information is present in the frames of the detected first and second parallel information streams by processing the error correction code therein to determine if a number of bit errors are present which exceed the bit error correction capacity of the error correction code. The digital signal processor places an error marker within the detected first and second parallel information streams to mark each faded information unit and controls replacement of each error marker within at least one of the first and second parallel information streams with replacement data bits within a frame in one of the first and second parallel information streams which were time offset at transmission by the time delay interval to produce error free transmitted information.

62 Claims, 60 Drawing figures